

Datasheet for ABIN5510703

FOLR2 ELISA Kit[Go to Product page](#)**1** Image

Overview

Quantity:	96 tests
Target:	FOLR2
Binding Specificity:	AA 17-230
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human FOLR2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO, Immunogen sequence: T17-N230
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.
Characteristics:	Tissue Specificity: Expressed in placenta and hematopoietic cells. Expression is increased in malignant tissues. .

Target Details

Target:	FOLR2
Alternative Name:	FOLR2 (FOLR2 Products)

Target Details

Background:	<p>Protein Function: Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH . Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. .</p> <p>Background: Folate receptor beta is a protein that in humans is encoded by the FOLR2 gene. The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68 % and 79 % sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene.</p> <p>Synonyms: Folate receptor beta,FR-beta,Folate receptor 2,Folate receptor, fetal/placental,Placental folate-binding protein,FBP,FOLR2,</p> <p>Full Gene Name: Folate receptor beta</p> <p>Cellular Localisation: Cell membrane, Lipid-anchor, GPI-anchor. Secreted.</p>
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UniProt:	P14207
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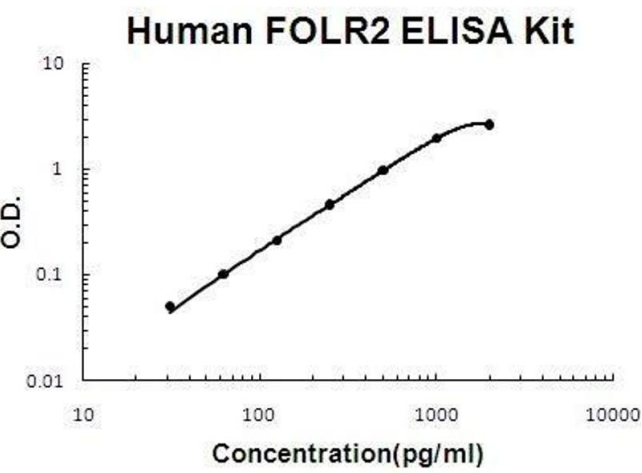
Pathways:	Dicarboxylic Acid Transport
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Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Human FOLR2 PicoKine ELISA Kit standard curve